

# INTERNATIONAL SEARCH REPORT

International Classification No  
PCT/GB 03/03632

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D239/56 C07D239/60 C07D417/12 C07D403/12 C07D401/04  
C07D401/12 C07D413/14 C07D413/12 C07D413/04 A61K31/513  
A61P37/08 A61P37/06 A61P19/02 A61P9/10 A61P19/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

CHEM ABS Data, EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00 076980 A (YAMANOUCHI PHARMACEUTICAL CO., LTD., JAPAN) 21 December 2000 (2000-12-21) claims; examples	1-10, 17-24
X	COBO, JUSTO ET AL: "Reactivity of 6-aminopyrimidin-4-(3H)-ones towards dimethyl acetylenedicarboxylate (DMAD). Tandem Diels-Alder/retro Diels-Alder (DA/RDA) reaction in the synthesis of 2-aminopyridines" TETRAHEDRON (1994), 50(34), 10345-58 , XP001155939 see compound 10d page 10348 -/-	1-9

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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\*G\* document member of the same patent family

Date of the actual completion of the international search

29 October 2003

Date of mailing of the international search report

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 03 197467 A (NIPPON KAYAKU CO., LTD., JAPAN) 28 August 1991 (1991-08-28) page 22; claims; examples 1,3-6,9	1-9
X	HUEBSCH, WALTER ET AL: "Pteridines. Part LXXXVII. Synthesis and properties of 8-substituted 2-thiolumazines" HELVETICA CHIMICA ACTA (1988), 71(6), 1379-91, XP009019920 see compounds 5,6,25,26 page 1380	1-9
X	JP 61 118372 A (NIPPON MECTRON CO., LTD., JAPAN) 5 June 1986 (1986-06-05) the whole document	1-10
X	NOGIMORI, T. ET AL: "Synthesis of 6-anilino-2-thiouracils and their inhibition of human placenta iodothyronine deiodinase" JOURNAL OF MEDICINAL CHEMISTRY (1985), 28(11), 1692-4, XP001155943 see compounds (8),(9) page 1694, left-hand column	1-9
X	US 3 673 184 A (MINAMI, SHINSAKU ET AL) 27 June 1972 (1972-06-27) column 7 -column 8; example 4; table II see formula III column 4, line 15	1-9
X	NOELL, C. WAYNE ET AL: "Aromaticity in heterocyclic systems. II. The application of n.m.r. in a study of the synthesis and structure of certain imidazo'1,2-c!pyrimidines and related pyrrolo'2,3-d!pyrimidines" JOURNAL OF HETEROCYCLIC CHEMISTRY (1964), 1(1), 34-41, XP009019960 see compounds IVa page 36	1-9
X	ZAMBELI, NEVENKA ET AL: "Acetylation of some 2-(alkyl)thio-4-amino-6-hydroxy-pyrimidines" ACTA PHARMACEUTICA JUGOSLAVICA (1971), 21(2), 91-6, XP001154717 page 92; examples VI-VIII; table 1	1-9
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International Publication No

PCT/GB 03/03632

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	RODRIGUEZ, M. ET AL: "Aminopyrimidines and derivatives. 20. The acetylation of 5-amino-4-glycosylamino pyrimidines" NUCLEOSIDES & NUCLEOTIDES (1987), 6(5), 887-99 , XP009019938 see compounds 8,9 page 889	1-9
P,X	----- VINKERS, H. MAARTEN ET AL: "SYNOPSIS: Synthesize and Optimize System in Silico" JOURNAL OF MEDICINAL CHEMISTRY (2003), 46(13), 2765-2773 , XP002259660 see compound 20 page 2771	1-10
A	----- WO 01 58902 A (BONNERT ROGER ;HUNT FRASER (GB); WILLIS PAUL (GB); CAGE PETER (GB)) 16 August 2001 (2001-08-16) the whole document	1-17
A	----- WO 00 09511 A (ASTRA PHARMA PROD ;KINCHIN ELIZABETH (GB); AUSTIN RUPERT (GB); BAX) 24 February 2000 (2000-02-24) the whole document -----	1-17

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Information on patent family members

International

Publication No

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